

ELECTROPROCESSED FIBRIN-BASED MATRICES AND TISSUES

Abstract

5 The invention is directed to formation and use of electroprocessed fibrin as an
extracellular matrix and, together with cells, its use in forming engineered tissue. The
engineered tissue can include the synthetic manufacture of specific organs or tissues which
may be implanted into a recipient. The electroprocessed fibrin may also be combined with
10 other molecules in order to deliver the molecules to the site of application or implantation of
the electroprocessed fibrin. The fibrin or fibrin/cell suspension is electrodeposited onto a
substrate to form the tissues and organs.

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